

CRYOCOOLER SERVICE REPORT

Date of work: 4-28-04

Beamline: 5

Requestor: D. Keane

Vessel serial no: AMG01100/57

Pump serial no: 10-J-95

Oxford series: C

Pump operating hours: 48497.2 (4957 hrs since last service)

Technician(s): D. Ferguson (mechanical), G. Moonier/D. Burke (restart timer)

Summary of work:

1. Pump bearing replace; impeller gap to 0.020"; bearing run-in per manual
2. Replace casters
3. Auto restart modification
4. Motor shaft housing cleaned with alcohol (removed slight oily residue)
5. Replaced 24VDC power supply (Protek model PU40-14S)
6. Helium leak check on LN2 side: no leaks found.
7. Evacuate vessel jacket and 3 bayonet fittings

[Link to service request form](#)

[Link to copy of logbook notes](#)

[Link to LN2 pump manual](#)